



Versatile and flexible UV-LED digital ink, designed for a wide range of substrates and especially for flexible ones. The ST-E range of products is compatible with EPSON printheads technology and similar ones*. It is a **no-smell** UV-LED ink.

Key features & substrates:

- Long term flexibility
- No smell on the finished products
- Suitable for PC/PE/PET/PVC up to non-woven fabric, canvas, leather, artificial leather and textile
- Optimal adhesion to several substrates, like PVC, PC, PS, ABS, Dibond®, aluminium, wood, glass and corrugated plastic and cardboard
- High light fastness

**Note: It is recommended to contact our technical service and check compatibility with the print-heads*

Application fields:

- Visual Communication (soft signage, displays, backlits, banners, flags, gazebos, etc.)
- Home decoration (wall paper, internal separations, decoration panels, etc.)
- Packaging
- PVC films
- Substrates for laminates
- Flexible plastic foils for industrial applications
- Leather and eco-leather

Operating parameters:

- Shake before use
- White and fluo colours: if not printing regularly, print from time to time in order to allow ink circulating unless hardware is specifically equipped for that
- Temperature: 20-25°C
- Humidity: 40%-60% optimal condition

Drying and Curing:

- UV ST-E has been formulated to cure with the standard UV-LED lamps (395nm) available on printers

- Curing speed is directly related to the UV LED source, UV LED power, age, ink film thickness, colour shade etc

Colour range and auxiliaries:

| | |
|----|---------------|
| 29 | yellow |
| 49 | magenta |
| 59 | cyan |
| 80 | black |
| 57 | light cyan |
| 47 | light magenta |
| 10 | white |

| | |
|----|---------|
| 01 | varnish |
|----|---------|

| | |
|--|---------|
| | cleaner |
|--|---------|

- Fluo colours upon request

Promoter of adhesion:

Should you need to significantly improve adhesion on specific critical substrates, we have available primer solutions for spraying and for screen-printing.

Please, contact customer care for selecting the most suitable solutions for your needs

**Fastness Chart:**

| MASTERJET® UV ST-E | Light Fastness (EN ISO 105B02) |
|--------------------|-----------------------------------|
| yellow 29 | 6-7 |
| light magenta 47 | 6-7 |
| magenta 49 | 6-7 |
| light cyan 57 | 6-7 |
| cyan 59 | 6-7 |
| black 80 | 8 |
| White 10 | n.a. |
| Varnish 01 | n.a. |

INK SET-UP:

It is recommended to load MASTERJET □ UV ST-E in a completely empty and clean container.

Remove any previous residual ink, clean thoroughly with the cleaner of the previous ink before loading MASTERJET □

Our technical service will always clarify any specific questions

Handling and safety rules:

Operating staff shall take utmost care when working with UV inks.

Should ink come in contact with skin, wipe ink off with a clean, dry cloth. Then, wash the affected area with water and soap. (*do not use solvents!*).

Please, always refer to Safety Data Sheet for further instructions and warnings.

NOTES:

PATENT N° IT102019000019956
(as per UIBM database —Ministry of Economic Development—Directorate General for the protection of Industrial Property)

International format for PATENT:
N° IT201800010020A1
(available in any Internet search engine)

Shelf-life and storage:

Shelf life is strictly related to storage conditions. It is strongly recommended to store:

- ink in original closed containers
- At 15-25°C
- At above mentioned temperature viscosity will be 5—6Pas (or cP)
- In a dark, dry room
- Away from heat and flames

Under above mentioned conditions shelf-life will be:

12 months for all colours

Packing:

Black plastic bottles: 1 KG

NOTE

Our technical advice whether spoken, written or through test trials corresponds to our current knowledge and provides information about our products and use. ENGLER ITALIA cannot, however, guarantee the finished results because ENGLER ITALIA exercises no control over those factors which may determine the use and application of the product at the user's headquarter.

Unless specifically agreed in writing, ENGLER ITALIA is not, therefore, liable for any loss or damage deriving from an unauthorized use of the product.

The selection and testing of the products are exclusively user's responsibility. Should any liability claim arise, they shall be limited to the value of goods delivered by ENGLER ITALIA and utilised by user with respect to any and all damages not caused intentionally or by gross negligence.